

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/03394

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 7/027
US CL : 380/261

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 380/261, 256, 42, 43, 44, 283; 455/607; 398/43, 47, 52, 75, 135; 372/26; 359/238, 244

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NPL

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,675,648 A (TOWNSEND) 7 October 1997, fig. 4, col. 1 lines 1-67, col. 2 lines 1-8, 18-25, col. 4 lines 17-48, col. 6 lines 41-62, col. 8 lines 25-57.	1,2,4,10 ----- 3,5-9,11-18
Y	US 5,764,765 A (PHOENIX et al.) 9 June 1998, col. 1 lines 50-67, col. 2 lines 10-15, col. 3 lines 29-47, 55-64.	1-18
A	US 5,515,438 A (BENNETT et al.) 7 May 1996, Entire Document.	1-18
Y	US 4,662,003 A (EICHWEBER) 28 April 1987, abs., col. 1 lines 1-45, 55-60, col. 2 lines 40-60, col. 3 lines 37-55.	1-18
Y	US 5,307,410 A (BENNETT) 26 April 1994, fig.s 1, 2, 3, col. 3 lines 17-51, col. 1 lines 1-15, col. 4 lines 49-through col. 5 line 28.	1-18
A	US 4,965,856 A (SWANIC) 23 October 1990, Entire Document.	1-18
A	US 6,272,224 B1 (MAZOURENKO et al.) 7 August 2001, Entire Document.	1-18

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

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- "E" earlier application or patent published on or after the international filing date
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Date of the actual completion of the international search

24 January 2005 (24.01.2005)

Date of mailing of the international search report

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